

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY  
MDL 105 - PHLEBOTOMY (3 CR.)**

**Course Description**

Introduces basic medical terminology, anatomy, physiology, components of health care delivery and clinical laboratory structure. Teaches techniques of specimen collection, specimen handling, and patient interactions. Lecture 2 hours. Laboratory 3 hours. Total 5 hours per week.

**General Course Purpose**

To provide students with the theory and technique essential for the proper collection and handling of laboratory specimens.

**Course Prerequisites/Co-requisites**

Students must have viewed online information session, completed assessment to place in ENG 111, and submitted verified preadmission checklist and program application to program office.

**Course Objectives**

Upon completing the course, the student will be able to:

- Identify hospital health care providers and departments
- Describe the organizational structure of the clinical laboratory
- Define routinely used medical terminology
- Discuss body systems and anatomical regions and relate them to pathological conditions
- Assemble equipment for specimen collection
- Demonstrate knowledge of infection control and safety
- Apply principles of quality assessment to specimen collection and point-of-care testing
- Demonstrate proper patient and staff interpersonal relationships
- Describe the collection and labeling of specimens.
- Perform collection of blood specimens by venipuncture and dermal puncture.

**Major Topics to be Included**

- Health care delivery system
- Laboratory organization
- Laboratory procedures and terminology
- Anatomical systems
- Circulatory system
- Collection tubes
- Collection equipment
- Blood constituents
- Legal and ethical issues
- Complications and interference
- Isolation procedures
- Specimen handling
- Specimen processing
- Special procedure
- Interpersonal relationships